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APPLICANT : NATIONAL FEDERATION OF DAIRY COOPERATIVE ASSOCIATIONS;

INVENTOR : NISHIKAWA YASUYUKI;

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TITLE : METHOD OF CULTURING YOGURT STARTER LACTOBACILLUS IN HIGH CONCENTRATION, AND METHOD OF PRODUCING YOGURT FROM THE OBTAINED HIGH CONCENTRATION CULTURE SOLUTION

ABSTRACT : PROBLEM TO BE SOLVED: To provide a method of culturing a yogurt starter lactobacillus in a high concentration, and to provide a method of producing yogurt from the obtained high concentration culture solution.

SOLUTION: This method of continuously culturing the yogurt starter lactobacillus in a culture medium consisting mainly of a soybean protein degradation product, a yeast extract and lactose by the use of a filtration culture device, characterized by culturing *Streptococcus salivarius* subsp. *thermophilus* as the yogurt starter lactobacillus in a yeast extract concentration of 0.5 to 2.0% in the culture medium, while a filtration liquid amount ratio (dilution rate) per hr to the amount of the culture liquid is maintained at a constant value of  $\geq 1.0$ .

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